BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Construction of Additional floor to existing Library at Vidyaranyapura Ward no.09 in Byatarayanapura Assembly Constituency

RATE ANALYSIS - II

Estimate Amount:-	**15000000.00**
Approved Amount	**13231265.0**
Client	**Sri. S K Keshavamurthy, #104, Sampigehalli, Jakkur Post, Bangalore-560064**
Tender premium:-	**(+)1%**

Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)1%	Final Rate.
3	Cost of Haulage Excluding Loading and Unloading MORTH - 100/ Chapter 1 Case-1: Surface Road .As per the direction of the Engineer Incharge	t.km	(Pg.No. 136, of SR 2018-19).	17.4	16	2	18.00	1.44	19.44	0.19	19.63
19	Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic tiles 30cm x 60cm 6mm thick on a bed of 20mm thick. As per the direction of the Engineer Incharge	Sqm	(Pg.No. 108, of SR 2018-19).	14.36.4	1269	2	1271.00	101.68	1372.68	13.73	1386.41
20	Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. - Colour glazed tiles 15x15 cms 6mm thick.As per the direction of the Engineer Incharge	Sqm	(Pg.No. 108, of SR 2018-19).	14.41.1	1271	2	1273.00	101.84	1374.84	13.75	1388.59
26	KSRB 1.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications.	Kg	(Pg.No. 34, of SR 2018-19).	7.9	95	6	101.00	8.08	109.08	1.09	110.17

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30	Solid Panel PVC Door Shutter : Providing & fixing 30mm thick factory made rigid foam panelled door shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with head moulded PVC channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet fitted as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., complete as per manufacturers specification & Direction of Engineer-in-charge fixed to frames with nos of 75 mm aluminium hinges.As per the direction of the Engineer Incharge	Sqm	(Pg.No. 60, of SR 2018-19).	9.83	2777	4	2781.00	222.48	3003.48	30.03	3033.51
31	Supply and fixing of door frame made of hollow extruded PVC Section (Nandi or Equivalent) having dimension of 40x57mm with the wall thickness of 2mm+/-0.2mm duly reinforced with seasoned wood plank at the hinges side. The door frame top 2corners shall be metric cut/ welded.. As per the direction of the Engineer Incharge	Mtr	(Pg.No. 61, of SR 2018-19).	9.88	250	4	254.00	20.32	274.32	2.74	277.06
34	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage.standards & methodology : As per the direction of the Engineer Incharge	Sqm	(Pg.No. 275, of SR 2018-19).	38.2	625	0	625.00	50	675.00	6.75	681.75
35	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Each	(Pg.No. 79, of SR 2018-19).	12.5	4956	0	4956.00	396.48	5352.48	53.52	5406.00

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Sl No	Description.	Unit	Page	Item	Basic rate	Lift charges	Total	AW @ 8%	Total Rate	Add T.P (+)1%	Final Rate.
36	Providing and fixing white vitreous china clay, flat back wash basin size 550x400mm with a pair of 15mm C.P. brass pillar taps with C.I. /M.S. brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.As per the direction of the Engineer Incharge	Each	(Pg.No. 83, of SR 2018-19).	12.25	3879	0	3879.00	310.32	4189.32	41.89	4231.21
38	Providing gun metal pillar cocks 15mm dia of I class conforming to ISI specifications and fixing them in position as per directions including of cost of materials and fixtures and conveyance to spot.	Each	(Pg.No. 97, of SR 2018-19).	13.80	242	0	242.00	19.36	261.36	2.61	263.97
41	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms .	Each	(Pg.No. 90, of SR 2018-19).	12.113.1	250	0	250.00	20	270.00	2.70	272.70
42	Providing and fixing white vitreous china clay urinals with flat back of approved make fixed to wooden plugs including bends, painting white to exposed pipes etc., complete as per directions.(rate includes cost of all materials and lead). A grade.As per the direction of the Engineer Incharge	Each	(Pg.No. 90, of SR 2018-19).	12.109	850	0	850.00	68	918.00	9.18	927.18
45	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Each	(Pg.No. 90, of SR 2018-19).	12.111	150	0	150.00	12	162.00	1.62	163.62
55	Supplying exhaust fan of 1440 RPM of 300mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply.	Each	(Pg.No. 46, of Ele SR 2018-19).	7.1	1200	0	1200.00	0	1200.00	12.00	1212.00
E1	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specifications. -do-using silver grey granite/Multy Red/Ruby Red/Black/Hassan Green Granite of width not less than 1200mm	Sqm	(Pg.No. 109, of SR 2018-19).	14.47.1	2276	2	2278.00	182.24	2460.24	24.60	2484.84

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E2	KSRB 7.8 : Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of 25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. All the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM complete as per specifications.	Sqm	(Pg.No. 34, of SR 2018-19).	7.8	3328	6	3334.00	266.72	3600.72	36.01	3636.73
E3	KSRB15-5 : Providing rough cement plastering 15mm thick in single coat with cement mortar to brick masonry for base of dadooing works with sand of approved quality, providing and removing caffolding, including cost of materials, labour, curing complete as per specifications. – do – cement mortar 1:4	Sqm	(Pg.No. 117, of SR 2018-19).	15.30	205	6	211.00	16.88	227.88	2.28	230.16
E4	KSRB 7.1 : Providing and fixing in position collapsible steel shutters with single or double leaf with vertical channel 20mmx10mmx2mm braced with flat iron diagonals 20mmx5mm size, with top and bottom rails of T iron sections of 40x40x6 mm with 38mm dia steel pulleys complete with bolt and nuts, locking arrangements, stoppers, handles on both sides with 7.5cms openings at 10 cms. c to c applying a priming coat of red lead paint. cost of materials, labour, HOM complete as per specifications. size of gate 2.4mx1.4m Specification No. KBS 7.7 / 7.12	Sqm	(Pg.No. 33, of SR 2018-19).	7.1	5210	6	5216.00	417.28	5633.28	56.33	5689.61

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E5	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs atthe centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.	Sqm	(Pg.No. 299, of SR 2018-19).	38.30	688	0	688.00	55.04	743.04	7.43	750.47
E6	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification.	Sqm	(Pg.No. 128, of SR 2018-19).	15.106	78	6	84.00	6.72	90.72	0.91	91.63
E7	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x 2' - 9/10w	Each	(Pg.No. 64, of Ele SR 2018-19).	12.3.1	250	0	250.00	0	250.00	2.50	252.50
E8	KSRB 2-1 : Earthwork in surface excavation for levelling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 KSRB 2-1.1: – do – Ordinary soil	Cum	(Pg.No. 6, of SR 2018-19).	2.1	249	0	249.00	19.92	268.92	2.69	271.61
E9	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1	Cum	(Pg.No. 136, of SR 2018-19).	17.2	111	0	111.00	8.88	119.88	1.20	121.08

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E10	KSRB 14.9-1: Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping, under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt), including finishing cost of materials, labour, curing, complete as per specifications Specification No. KBS 14.4	Sqm	(Pg.No. 104, of SR 2018-19).	14.13	631	0	631.00	50.48	681.48	6.81	688.29

Asst Engineer

Asst Executive Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Executive Engineer

Executive Engineer
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